

Listing of Claims

The following listing of claims will replace all prior versions, and listings, of claims in the subject application:

1. (original) A method of deflashing IC packages comprising the steps of:

directing a first laser beam in the infra-red frequency range onto flash area for removing top layer of flash; and subsequently

directing a second laser beam onto the flash are at low laser fluence and pulse number for removing the thin layer of flash remained after application of the first laser beam,

wherein the first laser is operated in pulses of length in excess of 1 μ s.

2. (original) A method according to claim 1, wherein the first laser is a CO₂ laser.

3. (original) A method according to claim 1 or claim 2 in which the first laser beam has a wavelength of approximately 1064 nm.

Claim 4 (canceled).

5. (original) A method according to claim 4 in which the first laser is operated in continuous wave mode.

6. (currently amended) ~~A method according to claim 1 in which~~ of deflashing IC packages comprising the steps of:

directing a first laser beam in the infra-red frequency range onto flash area for removing top layer of flash; and subsequently

directing a second laser beam onto the flash are at low laser fluence and pulse number for removing the thin layer of flash remained after application of the first laser beam,
wherein the first laser has an intensity of approximately
10kw/cm².

7. (previously presented) A method according to claim 1 in which the second laser is a YAG laser.

8. (original) A method according to claim 7 in which the second laser has a wavelength that is between ultra-violet and infra-red.

9. (original) A method according to claim 8 in which the second laser has a wavelength of approximately 532 nm or 1064 nm.

10. (previously presented) A method according to claim 1 in which the second laser is operated in pulses.

11. (original) A method according to claim 10 in which the pulse duration is between one fs and 1000 ns.

12. (original) A method according to claim 11 in which the pulses are of duration not greater than 100 ns.

13. (previously presented) A method according to claim 1 in which the second laser has a fluence of less than 1000 mJ/cm².

14. (original) A method according to claim 13 in which the second laser has a fluence of approximately 300 mJ/cm².

Claims 15-25 (canceled).